

Pennsylvania

Oct. 19, 21, 1965

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Oct. 19

Side & hill slope full of Subr. just 0.5-0.6 mile S of Pa 895 on Pa 501. Subr. abundant under power line on slope just W (100 yds.) of Pa. 501 and just south of dirt road that swings almost parallel to 501. Locality 2

0.7 mile south of junction of 443 and 645 at bend of road is another exposure of the Subr. beds. Opposite two houses across a brook. This is locality 1. $N 75^{\circ} E 24^{\circ} N$. Large blocks packed with Subr. but nothing in place. True reading $N 82\frac{1}{2}^{\circ} E 24^{\circ} N$. Road runs along base of hill and connects 645 with 501. Exposures

Locality 3 at junction 512 and road along base of hill S of Swatara Creek. Fine grained material probably above locality 2. This locality is just $\frac{1}{2}$ mile S of junction with Pa 895.

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October 21, 1965

Dromgold

Locality 1

On Pa. 850 exactly $\frac{1}{2}$ mile WNW of Dromgold, ^(junction with Pa 34) comes coarse, heavy-bedded ss, blue gray with poor bedding, often cross-bedded. The blue gray ss is rather fine grained other parts are coarser. In the upper part toward Dromgold are some sands with pebbles up to an inch, all well rounded.

N $72\frac{1}{2}^{\circ}$ E 27° S N 65° E 27° S magnetic north. Fossils are in well separated, distinct layers. At locality one a conspicuous layer at W end of cut contains Subrenss. and large Spirifer. The former predominant. The bed is 15" thick and the sand is coarser and lighter colored than that above and below. The Subrenss. bed is overlain by a 2' layer of coarse sand crowded with a Spirifer. Seven or 8 feet above the Spirifer layer is another bed, 1 foot thick, of coarse sand with scatter Spirifer. To the east sandstone can be seen to a dirt road about 0.16 mile west of intersection.

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October 21

350 paces W on Pa 850 from junction with Pa 34 is fissile sandy shale crumbling into thin flakes. At 350 paces is a house on south side road and a dirt road going N. Just on W side of this road comes the top of the sandstone with Subrenas. Some thin shale in top of ss.

Locality 2

Just 1.0 mile west of junction of 34 + 850 comes another exposure of ss. with Subrenas. This is on hill slope up from road. Subrenas is rare but the Spirifer is common. Two layers of them were seen. This is about the last of the sandstone seen along the road. Between localities 1 and 2 sandstone is almost continuously exposed along the road. Near locality 2 the fossils occur in patches. We saw a long, thick Tentaculites. Patched with Micropirifer, Cupulorostum, Devonochonetes and Tropidoleptus. The patches are thin and scattered.

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656
95

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Locality 3.

Just 2 miles West junction 34 and 850 is a large quarry with a face of about 50 feet. The lower part is rather poorly bedded massive limestone with *Stromatopores* and corals. The upper beds are nodular shaly limestone with *trigloans* and occasional platy beds with *Leptostrophids*. The fossils are clearly Silurian or Lower Dev. and have *Chonetes jerseyensis* and *Spirifer "erianus"*.

Montebello ss.

October 19

Locality ⁵²⁹ — Swope Mountain, on Pa. 645, 0.7 mile south of junction with Pa 443, about 1.5 miles south of Pine Grove, Pennsylvania. Oct. 19.

Locality ^{529a} — Swope Mtn., just west of Pa 501, 0.6 mile S 90° W of junction Pa 501 and 895, 1.5 miles SSE of Pine Grove, Pa. Oct. 19.

Locality 3 = 529b.

junction Pa 501 and side road, 0.56 mile due south of junction of Pa 501 and 895, 1.5 miles SSE of Pine Grove, Pa.

October 21

Montello ss.

Locality ^{529c} 1 — On Pa 850 at Carson Long Camp, Sherman Creek, 0.5 mile west-northwest of Dromgold, Pa

Locality ^{529d} 2 — On Penn. 850, One mile WNW of Dromgold, Pa

Locality 3 — Keyser, quarry, 0.3 mile SE of Union School, on Pa 850, 2 miles west of Dromgold, Pa.